

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: LAL, PREETI
CORLEY, NEIL C.
GUEGLER, KARL J.
PATTERSON, CHANDRA
- (ii) TITLE OF INVENTION: SERINE DEHYDRATASE HOMOLOG
- (iii) NUMBER OF SEQUENCES: 2
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
(B) STREET: 3174 Porter Drive
(C) CITY: Palo Alto
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 94304
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: Windows
(D) SOFTWARE: FastSEQ for Windows Version 2.0b
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Cerrone, Michael C
(B) REGISTRATION NUMBER: 39,132
(C) REFERENCE/DOCKET NUMBER: PF-0512 US
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 650-855-0555
(B) TELEFAX: 650-845-4166
(C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 325 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
- (vii) IMMEDIATE SOURCE:
(A) LIBRARY: THPLAZS08
(B) CLONE: 2752518

[illegible]

(A) LENGTH: 1485 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(A) LIBRARY: THP1AZS08
(B) CLONE: 2752518

GGGTCGACCA CCGTCGATG ATTAGGATGG TGCATGAGTG ATCGGCAGTG CCCGGGAAAG 60
CGGTGAGGGT TGCTCTCATC CCTCTCTCTC CTCCGTCCTC ACCCGGAGGC TTAGGGTCTG 120

GAGCTTTCTC	TTTAACAAAG	GAGGAGGGAC	CAAGGTTGCC	GGAAGCTGCC	TGAAGCTGGA	180
CAGAGCCGGT	TCCTGGAAAG	AGCTGGTTCC	CTGGCAGGCT	GGAGGGCAGG	AGCTGGGGCC	240
ACGCTGGTCT	GGGATAGTTG	GGCAGGGAGG	CTGTCTACCT	GGTCTCCAGA	ATGGACGGCC	300
CTGTGGCAGA	GCATGCCAAG	CAGGAGCCCT	TTACAGTGGT	CACACCTCTG	TTGGAGAGCT	360
GGGCGCTGTC	CCAGGTGGCG	GGCATGCCCTG	TCTTCTCTAA	GTGTGAGAAT	GTGCAGCCCA	420
GCGCTCCTT	CAAGATTGCG	GGCATTGGGC	ATTTCCTGCCA	GGAGATGGCC	AAGAAGGGAT	480
GCAGACACCT	GGTGTGCTCC	TCAGGGGGTA	ATGCGGGCAT	CGCTGCTGCC	TATGCTGCTA	540
GGAAGCTGGG	CATTCTCTGCC	ACCATCGTGC	TCCCCGAGAG	CACCTCCCTG	CAGGTGGTGC	600
AGAGGCTGCA	GGGGGAGGGG	GCCGAGGTTT	AGCTGACTGG	AAAGGTCTGG	GACGAGGCCA	660
ATCTGAGGGC	GCAAGAGTTG	GCCAAGAGGG	ACGGCTGGGA	GAATGTCCCC	CCGTGTGACC	720
ACCCCTTAAT	ATGGAAAGGC	CACGCCAGCC	TGGTGCAGGA	GCTGAAAGCA	GTGCTGAGGA	780
CCCCACCAGG	TGCCCTGGTG	CTGGCAGTTG	GGGGTGGGG	TCTCTTGCCC	GGGGTGGTGG	840
CTGGCCCTGCT	GGAGGTGGCG	TGGCAGCATG	TACCATCAT	TGCCATGGAG	ACCCATGGGG	900
CACACTGCTT	CAATGCGGCC	ATCACAGCCG	GCAAGCTGGT	CACACTTCCA	GACATCACC	960
GTGTGGCCAA	GAGCCTGGGT	GCCAAAGACG	TGGCCGCTCG	GGCCCTGGAG	TGCATGCAGG	1020
TGTGCAAGAT	TCACCTTGAA	GTGCTGGAGG	ACACCGAGGC	TGTGAGCGCT	GTGCAGCAGG	1080
TCCTGGATGA	TGAGCGTATG	CTGCTGGAGC	CTGCCCTGGG	GGCAGCCTTA	GCAGCCATCT	1140
ACTCAGGCC	CCTCGGGAGG	CTCCAGGCCG	AGGCTGCTCT	GCCCTCTTCC	CTGACTTCAG	1200
TTGTGGTAAT	CGTGTGTGGA	GGCAACAACA	TCAACAGCCG	AGAGCTGCAG	GCTTTGAAAA	1260
CCCACCTGGG	CCAGGTCTGA	GGGGTCCCAT	CCTGGCCCCA	AAGACCCCTG	AGAGGCCCAT	1320
GGACAGTCTT	GTGTCTGGAT	GAGGAGGACT	CAGTGTGSC	AGATGGCAGT	GGAAGCTGCC	1380
CTGTGCAACT	GTGCTGGCTG	CCTCTGAAG	GAAGCCCTCC	TGGACTGCTT	CTTTTGGCTC	1440
TCCGACAACT	CCGGCCAAATA	AACACTTTCT	GAATTGAAAA	AAAAA		1485